

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/524,036  
Source: Pf  
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PCT

## RAW SEQUENCE LISTING

DATE: 04/14/2006

PATENT APPLICATION: US/10/524,036

TIME: 11:49:47

Input Set : A:\10,524,036-sequence listing-Our reference Number WH-

2.ST25.txt

Output Set: N:\CRF4\04142006\J524036.raw

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3 <110> APPLICANT: WOCKHARDT LIMITED
4     SAHIB, Maharaj K
5     RAJU, Edupuganti B
6     SHALIGRAM, Umesh S
8 <120> TITLE OF INVENTION: YEAST PROTEIN EXPRESSION SECRETION SYSTEM
10 <130> FILE REFERENCE: WH-2
12 <140> CURRENT APPLICATION NUMBER: US 10/524,036
13 <141> CURRENT FILING DATE: 2005-02-09
15 <150> PRIOR APPLICATION NUMBER: PCT/IB2003/003773
16 <151> PRIOR FILING DATE: 2003-09-08
18 <150> PRIOR APPLICATION NUMBER: US 60/410,774
19 <151> PRIOR FILING DATE: 2002-09-13
21 <160> NUMBER OF SEQ ID NOS: 8
23 <170> SOFTWARE: PatentIn version 3.2
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 128
27 <212> TYPE: PRT
28 <213> ORGANISM: Homo sapiens
31 <220> FEATURE:
32 <221> NAME/KEY: PEPTIDE
33 <222> LOCATION: (1)..(128)
35 <400> SEQUENCE: 1
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38 1           5           10           15
41 Val Ser Ala Ile Gln Ala Ala Pro Ala Ser Ser Ile Gly Ser Ser Ala
42           20           25           30
45 Ser Ala Ser Ser Ser Ser Glu Ser Ser Gln Ala Thr Ile Pro Asn Asp
46           35           40           45
49 Val Thr Leu Gly Val Lys Gln Ile Pro Asn Ile Phe Asn Asp Ser Ala
50           50           55           60
53 Val Asp Ala Asn Ala Ala Ala Lys His Pro Leu Glu Lys Arg Phe Val
54 65           70           75           80
57 Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr Leu Val
58           85           90           95
61 Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Gly Ile Val Glu Gln
62           100          105          110
65 Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln Leu Glu Asn Tyr Cys Asn
66           115          120          125
69 <210> SEQ ID NO: 2
70 <211> LENGTH: 128
71 <212> TYPE: PRT
72 <213> ORGANISM: Homo sapiens
75 <220> FEATURE:

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76 &lt;221&gt; NAME/KEY: PEPTIDE

77 &lt;222&gt; LOCATION: (1)..(128)

79 &lt;400&gt; SEQUENCE: 2

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81 Met Ile Phe Leu Lys Leu Ile Lys Ser Ile Val Ile Gly Leu Gly Leu
82 1           5           10           15
85 Val Ser Ala Ile Gln Ala Ala Pro Ala Ser Ser Ile Gly Ser Ser Ala
86           20           25           30
89 Ser Ala Ser Ser Ser Ser Glu Ser Ser Gln Ala Thr Ile Pro Asn Asp
90           35           40           45
93 Val Thr Leu Gly Val Lys Gln Ile Pro Asn Ile Phe Asn Asp Ser Ala
94           50           55           60
97 Val Asp Ala Asn Ala Ala Ala Lys His Pro Leu Glu Asn Arg Phe Val
98 65           70           75           80
101 Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr Leu Val
102           85           90           95
105 Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Gly Ile Val Glu Gln
106           100          105          110
109 Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln Leu Glu Asn Tyr Cys Asn
110           115          120          125

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113 &lt;210&gt; SEQ ID NO: 3

114 &lt;211&gt; LENGTH: 116

115 &lt;212&gt; TYPE: PRT

116 &lt;213&gt; ORGANISM: Homo sapiens

119 &lt;220&gt; FEATURE:

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121 &lt;222&gt; LOCATION: (1)..(116)

123 &lt;400&gt; SEQUENCE: 3

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125 Met Thr Ser Lys Thr Ile Pro Ala Met Leu Ala Ile Ile Thr Val Ala
126 1           5           10           15
129 Tyr Leu Cys Ala Leu Pro His Ala His Ala Arg Ser Thr Gln Gly Tyr
130           20           25           30
133 Gly Arg Met Asp Arg Ile Leu Ala Ala Leu Lys Thr Ser Pro Met Glu
134           35           40           45
137 Pro Ser Ala Ala Leu Ala Val Glu Asn Gly Thr Thr His Pro Leu Gly
138           50           55           60
141 Lys Arg Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala
142 65           70           75           80
145 Leu Tyr Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Gly
146           85           90           95
149 Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln Leu Glu
150           100          105          110
153 Asn Tyr Cys Asn
154           115

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157 &lt;210&gt; SEQ ID NO: 4

158 &lt;211&gt; LENGTH: 116

159 &lt;212&gt; TYPE: PRT

160 &lt;213&gt; ORGANISM: Homo sapiens

163 &lt;220&gt; FEATURE:

164 &lt;221&gt; NAME/KEY: PEPTIDE

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165 &lt;222&gt; LOCATION: (1)..(116)

167 &lt;400&gt; SEQUENCE: 4

169 Met Thr Ser Lys Thr Ile Pro Ala Met Leu Ala Ile Ile Thr Val Ala

170 1 5 10 15

173 Tyr Leu Cys Ala Leu Pro His Ala His Ala Arg Ser Thr Gln Gly Tyr

174 20 25 30

177 Gly Arg Met Asp Arg Ile Leu Ala Ala Leu Lys Thr Ser Pro Met Glu

178 35 40 45

181 Pro Ser Ala Ala Leu Ala Val Glu Asn Gly Thr Thr His Pro Leu Gly

182 50 55 60

185 Asn Arg Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala

186 65 70 75 80

189 Leu Tyr Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Gly

190 85 90 95

193 Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln Leu Glu

194 100 105 110

197 Asn Tyr Cys Asn

198 115

201 &lt;210&gt; SEQ ID NO: 5

202 &lt;211&gt; LENGTH: 384

203 &lt;212&gt; TYPE: DNA

204 &lt;213&gt; ORGANISM: Homo sapiens

206 &lt;400&gt; SEQUENCE: 5

207 atgatctttc tgaagttgat caagtctatc gtgatcggtc tgggtctggt ttctgccatc 60

209 caggccgctc cagcctcttc tatcggttct tctgcctctg cctcttcttc ttctgagtct 120

211 tctcaggcca ccattccaaa cgacgttacc ctgggtggtta agcagatccc aaacatcttc 180

213 aacgactctg ccgttgacgc caacgctgct gctaagcacc cactggagaa gagattcgtg 240

215 aaccagcacc tgtgtggttc tcacctggtt gaggccctgt acctggtttg cggtgagaga 300

217 ggattcttct acaccccaaa gggtatcggt gagcagtgtc gcacctctat ctgttctctg 360

219 taccagctgg agaactactg caac 384

222 &lt;210&gt; SEQ ID NO: 6

223 &lt;211&gt; LENGTH: 384

224 &lt;212&gt; TYPE: DNA

225 &lt;213&gt; ORGANISM: Homo sapiens

227 &lt;400&gt; SEQUENCE: 6

228 atgatctttc tgaagttgat caagtctatc gtgatcggtc tgggtctggt ttctgccatc 60

230 caggccgctc cagcctcttc tatcggttct tctgcctctg cctcttcttc ttctgagtct 120

232 tctcaggcca ccattccaaa cgacgttacc ctgggtggtta agcagatccc aaacatcttc 180

234 aacgactctg ccgttgacgc caacgctgct gctaagcacc cactggagaa cagattcgtg 240

236 aaccagcacc tgtgtggttc tcacctggtt gaggccctgt acctggtttg cggtgagaga 300

238 ggattcttct acaccccaaa gggtatcggt gagcagtgtc gcacctctat ctgttctctg 360

240 taccagctgg agaactactg caac 384

243 &lt;210&gt; SEQ ID NO: 7

244 &lt;211&gt; LENGTH: 348

245 &lt;212&gt; TYPE: DNA

246 &lt;213&gt; ORGANISM: Homo sapiens

248 &lt;400&gt; SEQUENCE: 7

249 atgacctega agaccatccc agccatgctg gccatcatta ccgttgcta cctgtgtgct 60

251 ctgccacacg cccacgctag atctaccag gggttacggtta gaatggacag aatcctggcc 120

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253 gccctgaaga cctctccaat ggagccatct gccgccctgg ccgttgagaa cggaaccacc 180
255 caccactgg gtaagagatt cgtgaaccag cacctgtgtg gttctcacct gggtgaggcc 240
257 ctgtacctgg ttgcggtga gagaggattc ttctacaccc caaagggtat cggtgagcag 300
259 tgctgcacct ctatctgttc tctgtaccag ctggagaact actgcaac 348
262 <210> SEQ ID NO: 8
263 <211> LENGTH: 348
264 <212> TYPE: DNA
265 <213> ORGANISM: Homo sapiens
267 <400> SEQUENCE: 8
268 atgacctcga agaccatccc agccatgctg gccatcatta ccgttgcccta cctgtgtgct 60
270 ctgccacacg cccacgctag atctaccag ggttacggta gaatggacag aatcctggcc 120
272 gccctgaaga cctctccaat ggagccatct gccgccctgg ccgttgagaa cggaaccacc 180
274 caccactgg gtaacagatt cgtgaaccag cacctgtgtg gttctcacct gggtgaggcc 240
276 ctgtacctgg ttgcggtga gagaggattc ttctacaccc caaagggtat cggtgagcag 300
278 tgctgcacct ctatctgttc tctgtaccag ctggagaact actgcaac 348

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**VERIFICATION SUMMARY**

DATE: 04/14/2006

PATENT APPLICATION: US/10/524,036

TIME: 11:49:48

Input Set : A:\10,524,036-sequence listing-Our reference Number WH-

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